

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number  
**WO 2004/047108 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 17/30**

(21) International Application Number:  
PCT/IB2003/004911

(22) International Filing Date: 31 October 2003 (31.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02292885.7 20 November 2002 (20.11.2002) EP

(71) Applicant (for all designated States except US): **KONIN-KLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KELLY, Declan, Patrick** [IE/FR]; c/o SPID, 156 Boulevard Haussmann, F-75008 Paris (FR). **WANG, Bel** [CN/FR]; c/o SPID, 156, boulevard Haussmann, F-75008 Paris (FR). **PENG, Yang** [CN/FR]; c/o SPID, 156, boulevard Haussmann, F-75008 Paris (FR).

(74) Agent: **CHAFFRAIX, Jean**; Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

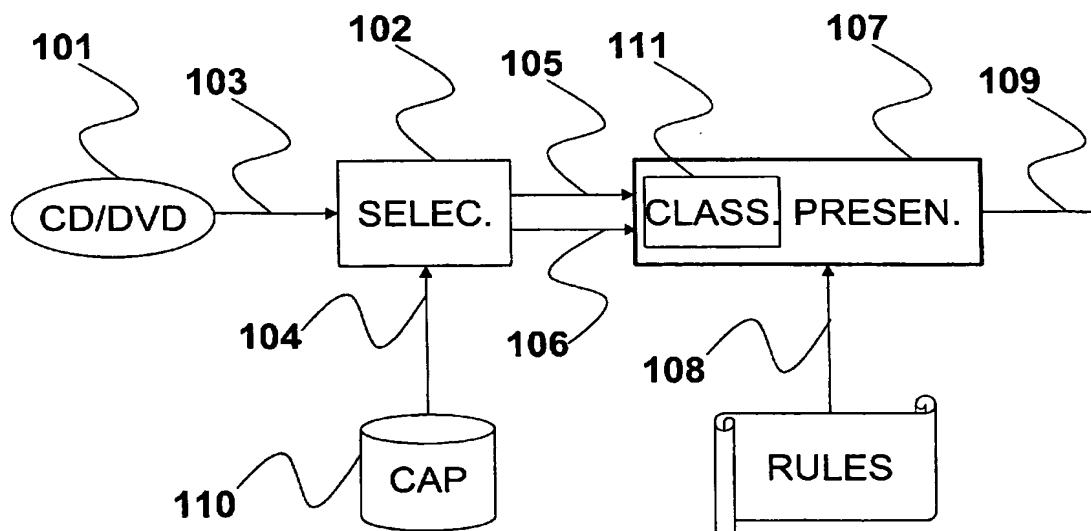
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,

[Continued on next page]

(54) Title: USER INTERFACE SYSTEM FOR PRESENTING TO A USER THE CONTENTS OF AN INFORMATION CARRIER



(57) Abstract: The invention relates to a user interface system for presenting to a user the contents of an information carrier (101) intended to be inserted into a reading apparatus, said information carrier (101) containing data files having different content types and different coding formats, said user interface system comprising : - selection means (102) for selecting a set of data files (105), complying with the capabilities of said reading apparatus to play such data files (103), from among data files contained on said information carrier (101), - presentation means (107) for presenting a table of contents from the selected data files (105).



TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO  
 patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG,  
 ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU,  
 TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE,  
 DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT,  
 RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
 GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— with amended claims

(88) Date of publication of the international search report:  
 21 October 2004

Date of publication of the amended claims: 9 December 2004

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

**Published:**

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## CLAIMS

1. User interface system for presenting to a user the contents of an information carrier (101) intended to be inserted into a reading apparatus, said information carrier (101) containing data files having different content types and/or different coding formats, said user interface system comprising :
- 5       - selection means (102) for selecting a set of data files (105), complying with the capabilities (CAP) of said reading apparatus to play such data files, from among data files (103) contained on said information carrier (101),
- presentation means (107) for presenting to said user, a table of contents from the selected data files (105).
- 10       2. User interface system as claimed in claim 1, wherein the selection means (107) comprise comparison means for comparing the coding format of the data files (103) contained on said information carrier with the capabilities (CAP) of said reading apparatus for playing such a coding format.
- 15       3. User interface system as claimed in claim 2, comprising classification means (111) for classifying the selected data files (105) according to their content type.
4. User interface system as claimed in claim 3, comprising classification means (111) for
- 20       classifying the selected data files according to their coding format or according to a quality criterion.
5. User interface system as claimed in claim 4, comprising downloading means for downloading a plug-in allowing to play data files contained on said information carrier and
- 25       considered non-playable according to initial capabilities (CAP) of said reading apparatus.
6. User interface system as claimed in claim 5, wherein the presentation means comprise code instructions stored in a data file for describing the rules of design of said table of contents.

*Replaced by  
Article 19*

7. Apparatus for reading an information carrier, comprising a user interface system as claimed in claim 1.

8. Method of interfacing for presenting to a user the contents of an information carrier  
5 (101) inserted into a reading apparatus, said information carrier (101) containing data files (103) having different content types and/or different coding formats, said method of interfacing comprising :

- a selection step (102) for selecting a set of data files (105) complying with the capabilities (CAP) of said reading apparatus to play such data files, from among data  
10 files (103) contained on said information carrier (101),
- a presentation step (107) for presenting to said user, a table of contents derived from the selected data files (105).

*Replaced by  
Article 19*